

TP FIREDOORS LONDON

DT1

INTERNAL DOOR SCHEDULE

Item No.	Description	Unit	Quantity	Notes
1	INTERNAL DOOR	EA	100	
2	INTERNAL DOOR	EA	50	
3	INTERNAL DOOR	EA	20	
4	INTERNAL DOOR	EA	10	
5	INTERNAL DOOR	EA	5	

DT2

DT3

SPECIFIERS GUIDE

CONTENTS

DOOR CONSTRUCTION	P4
FLAT PANELS	P6
RAISED PANELS	P7
DOUBLE FLAT PANELS	P8
DBL RAISED PANELS	P9
GLAZED DOORS	P10
OVERPANELS	P11
HARDWARE	P12
CONTACT US	P13





INTRODUCTION

The following guide has been created for architects & construction professionals. It refers to the timber panel construction fire doors manufactured by TP Firedoors.

TP Firedoors are hand made solid hardwood panel doors only. We use traditional mortice and tenon joins in all of our doors and specialise in traditional Edwardian and Victorian panel doors.

BESPOKE INTERNAL DOORS

SINGLE HERITAGE
FIRE DOORS

DOUBLE FIRE
DOORSETS

POCKET DOORS

BESPOKE EXTERNAL DOORS

SINGLE EXIT FIRE DOORS

HERITAGE APARTMENT
FIRE DOORS

HERITAGE ENTRANCE
FIRE DOORS

DOUBLE ENTRANCE
FIRE DOORS

CONSTRUCTION - FIRE DOORSETS

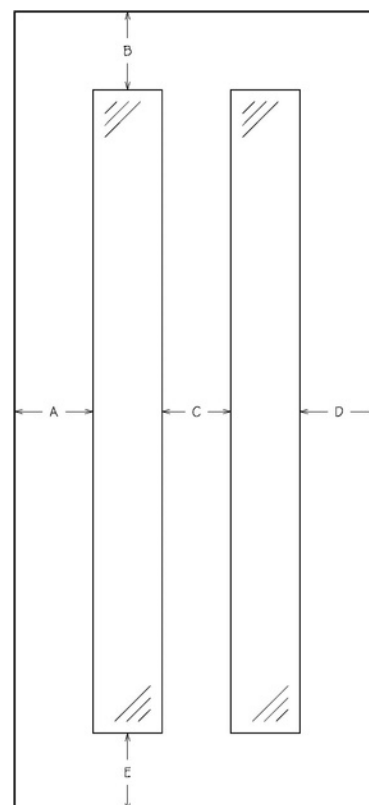
COMPONENT	SPECIFICATION
DOOR STILES & RAILS	All door rails that feature across horizontal sections and vertical sections (mullions) are made from Red Grandis engineered hardwood. These are designed within tolerance to our fire safety certification and are 44mm thick (FD30) and 54mm (FD60). There also must be 100mm between each hardware item.
DOOR PANELS	Our panels are made using a fire-proof core. This innovative product enables us to achieve the highest fire safety certification, tested by Warrington Fire. It also restricts us to tolerances within panels, stiles and rails. We build our panels with high quality fire rated material and shape them using our own moulding machines. Through this we can achieve a wide style of mouldings and designs based on our clients needs. Each panel requires a minimum of 100mm between each other. No limits are on the number of panels, only the parameters between panels.
PANEL MOULD	We offer both flat panel designs and raised panel designs, dependent on the door design. Raised mouldings, bolection mould, shallow moulds and straight edges are all available. Our range covers historic doors to contemporary shaker style doors. We offer a full timber mould matching service through our joinery services, all we require is a sample or image of the existing mouldings in order to replicate.
GLAZING OPTIONS	The following glass types are available: 7-13mm clear Pilkington glass, or equivalent specification. We do not offer decorative or obscure glass options
DOOR FRAMES	Solid hardwood door frames, smoke seals, hardwood door stops and fire rated hinges are mandatory to all doors manufactured by TP Firedoors. Single door leaves are available for certified installers.



TOLERANCES - GLAZED FIRE DOORS

Our hardwood glazed fire doors have tolerances across dimensions. Due to passive fire protection needs and certification requirements our doors have the following tolerances for glass panel doors.

KEY	COMPONENT	MIN. TIMBER GAP
A	STILE	95mm
B	TOP RAIL	95mm
C	CENTRE RAIL	90mm
D	STILE	95mm
E	BOTTOM RAIL	190mm



OPENING DIMENSIONS & TOLERANCES

Our Heritage Doors are all made to order and offered in bespoke sizing. Here you will find a range of tolerances and dimension details that we must work within to ensure the safety and certification of our fire doors.

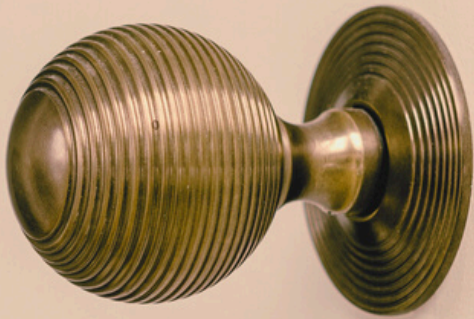
During the door design process we request that all specifiers send us opening dimensions, as well as wall thickness to ensure that the dimensions of our doors are built to suit openings, and not door dimensions.

MADE TO MEASURE DOORS

CUSTOM SIZED
 PANELS

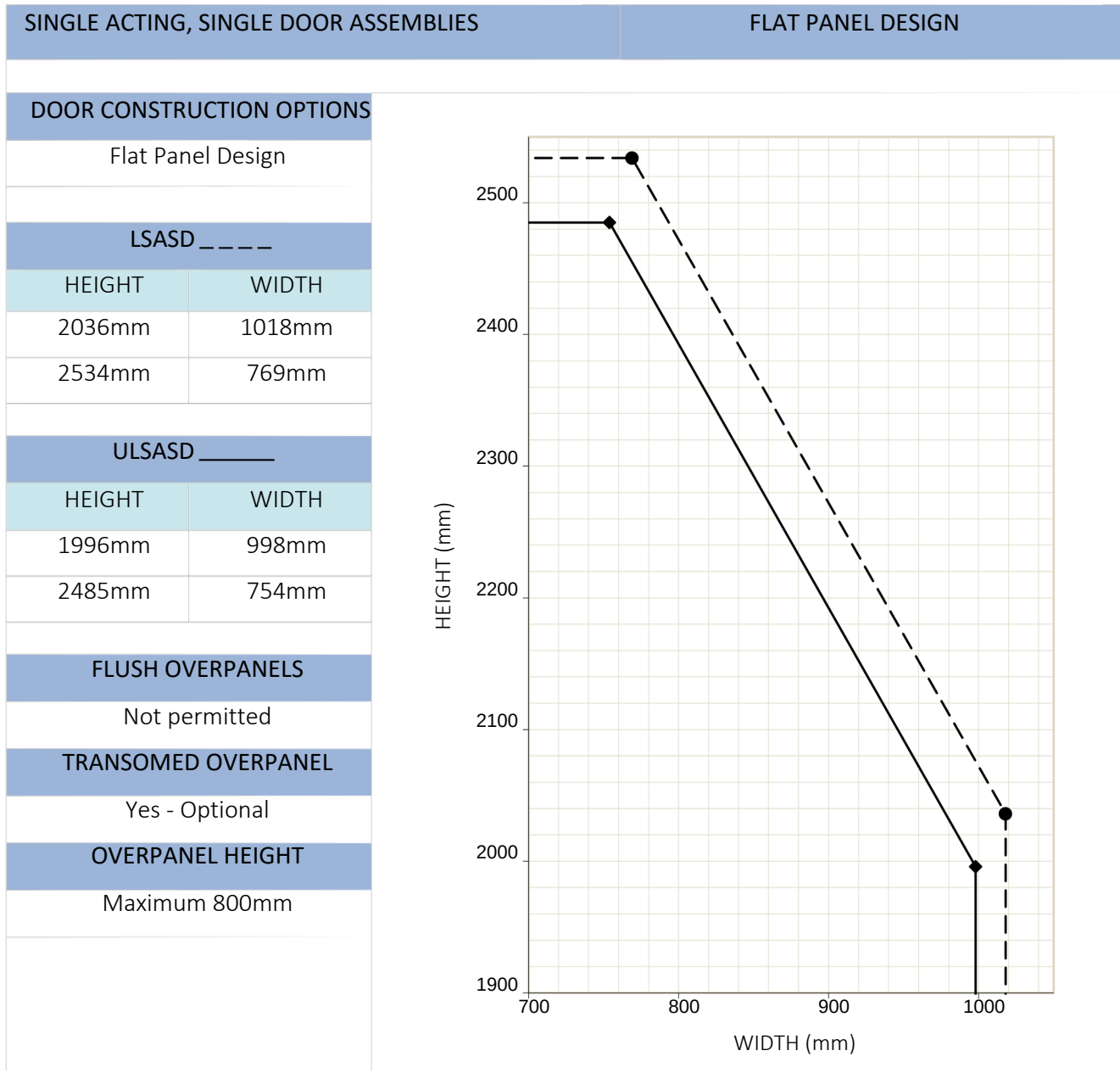
LENGTH & WIDTH
 TOLERANCES

DOOR HEIGHTS
 UP TO 2.5M,
 WIDTH UP TO 1M



OVERALL DIMENSIONS - FLAT PANEL DOORS

Here you will find a list of maximum dimensions and tolerances for our hardwood timber panel doors. We define flat panel doors as panelled doors without a raised panel. This does not include flat panel doors with decorative beads to create a panel effect. Beading and detail is not included within dimensional tolerances.

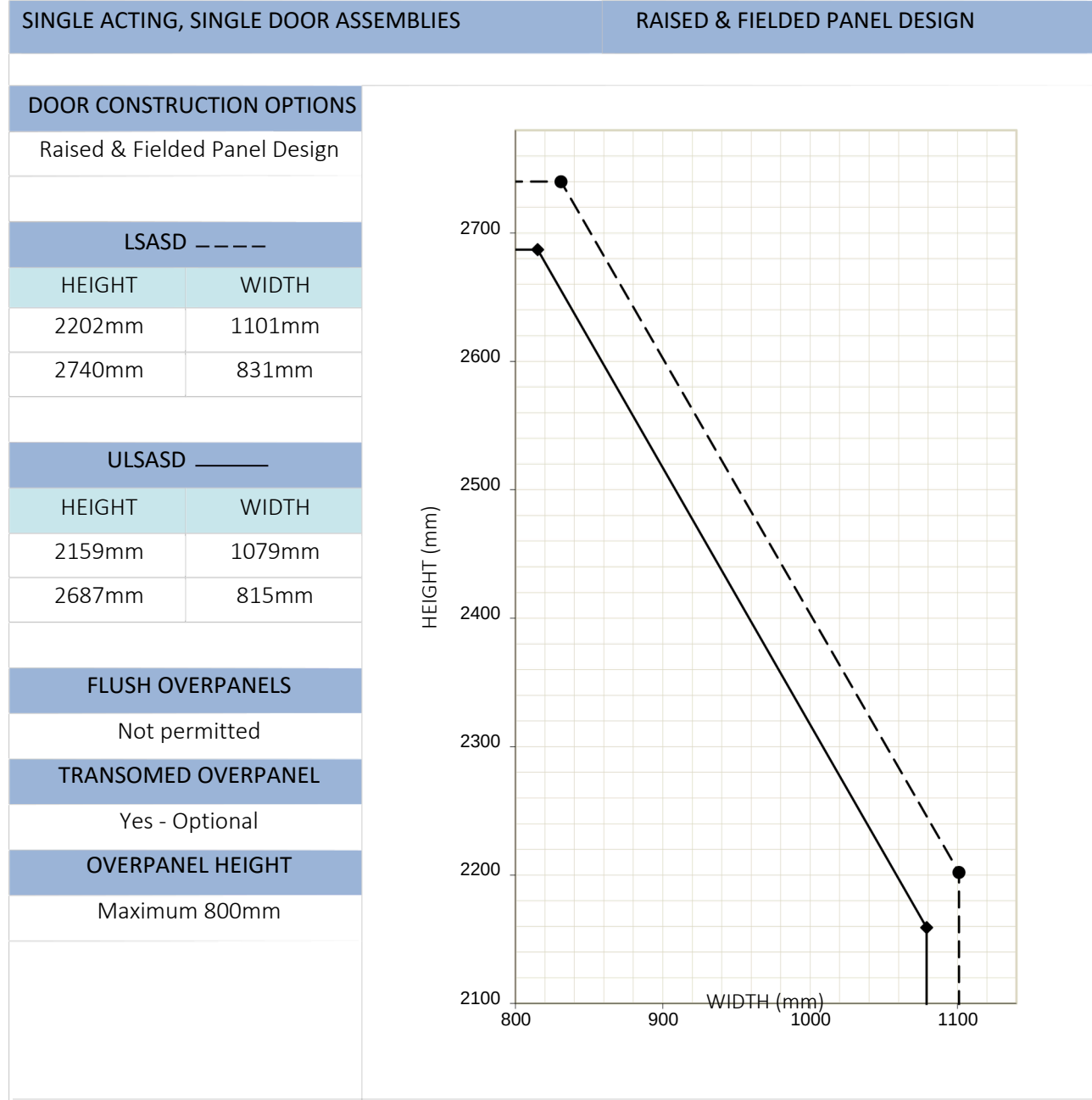


FIRE TESTING CERTIFICATION

Full fire test certification is available from Warrington Fire for our Timber Panel doors. Our certification enables us to offer non-standard doors, however these must be within tolerance of the above parameters. We are not able to offer a valid fire certificate if we deviate from our tolerances, therefore will not manufacture outside of our capabilities.

OVERALL DIMENSIONS - RAISED & FIELDDED PANEL DOORS

Raised & Fieldded panel doors are our specialist focus at TP Firedoors. Due the specific needs of fire doors and our careful construction methods we are able to offer deeper grooves and beautiful features that are unparalleled compared to particle boards and moulded doors. Perfect for listed buildings & period properties.



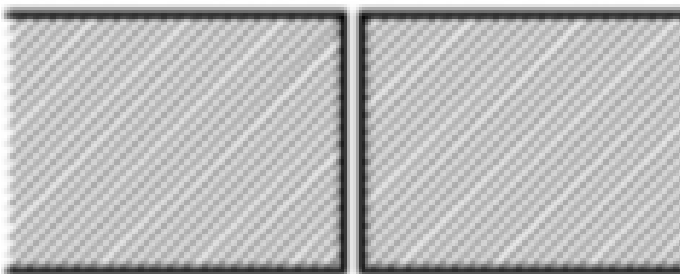
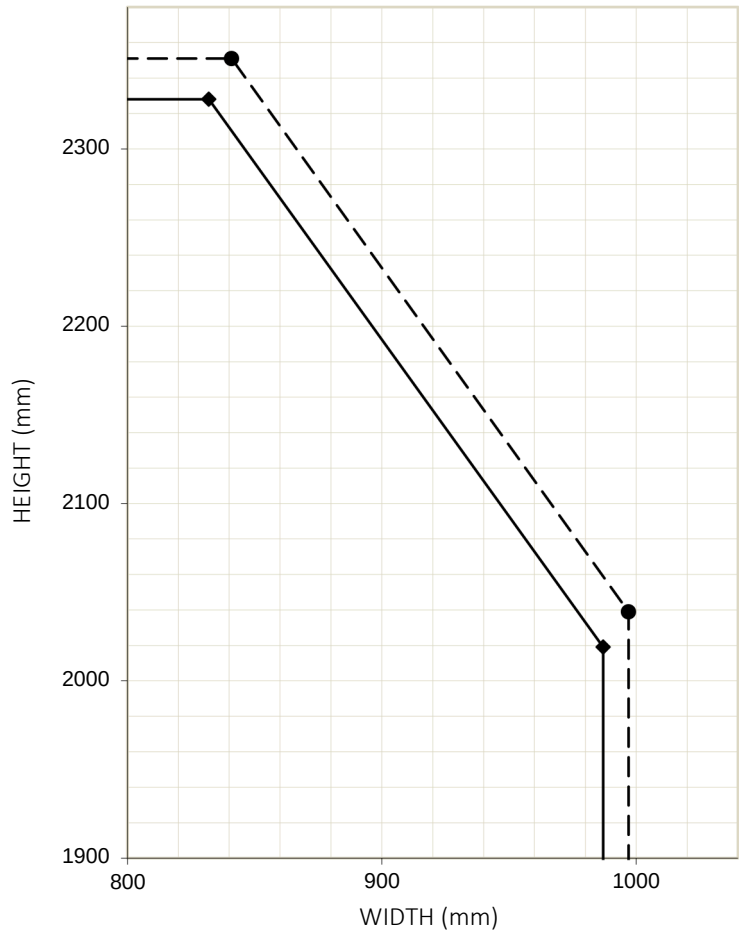
FIRE SEALS - TESTED & CERTIFIED

Our fire seals are fully tested and certified to the highest standards by industry leading manufacturers. Tested to ensure they form the necessary smoke seals for 30 or 60 minutes.

OVERALL DIMENSIONS - FLAT PANEL DOUBLE DOORS

Please see details below for single acting fire doors that act as side by side double doors.

SINGLE ACTING, DOUBLE DOOR ASSEMBLIES SQUARE MEETING STILES		FLAT PANEL DESIGN	
DOOR CONSTRUCTION OPTIONS			
Flat Panel Design			
LSADD - - - -			
HEIGHT	WIDTH		
2039mm	997mm		
2351mm	841mm		
ULSADD - - - -			
HEIGHT	WIDTH		
2019mm	987mm		
2328mm	832mm		
FLUSH OVERPANELS			
Not permitted			
TRANSOMED OVERPANEL			
Yes - Optional			
OVERPANEL HEIGHT			
Maximum 500mm			

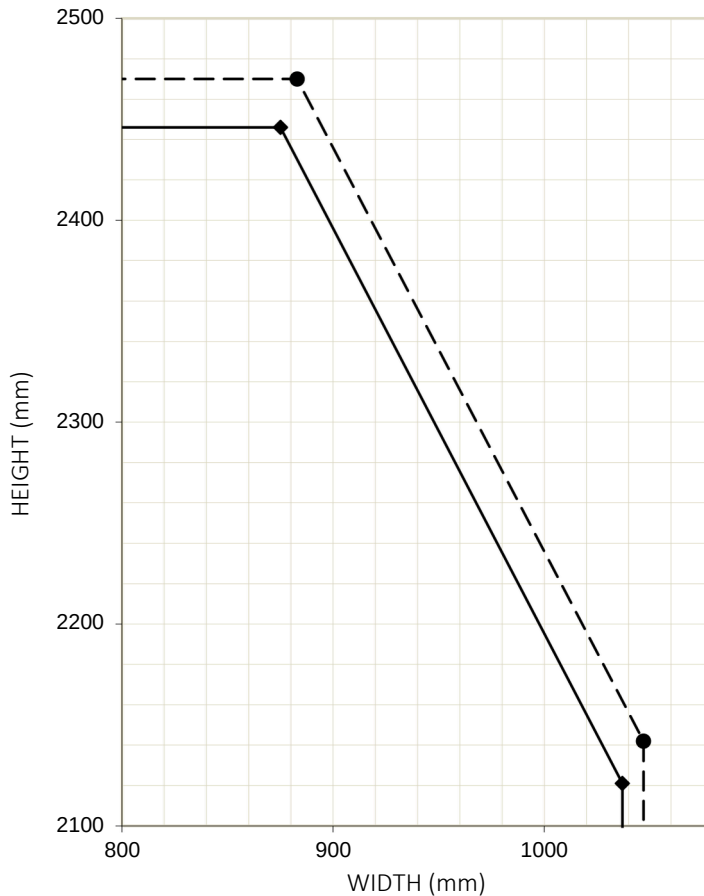


The diagram on the left displays our square edge double doors and the image on the right is how the doors look in situ. At TP Firedoors we do not offer rebated edges to our fire doors, therefore our fire doors offer a quality & contemporary design, provided with closers and fire seals between doors to ensure that doors are correctly protected in the event of a fire.

OVERALL DIMENSIONS - RAISED & FIELDDED PANEL DOUBLE DOORS

Please see details below for single acting fire doors that act as side by side double doors. Ideal for room partitions in heritage buildings.

SINGLE ACTING, DOUBLE DOOR ASSEMBLIES SQUARE MEETING STILES		RAISED & FIELDDED PANEL DESIGN
DOOR CONSTRUCTION OPTIONS		
Raised & Fieldded Panel Design		
LSADD - - - -		
HEIGHT	WIDTH	
2142mm	1047mm	
2470mm	883mm	
ULSADD ———		
HEIGHT	WIDTH	
2121mm	1037mm	
2446mm	875mm	
FLUSH OVERPANELS		
Not permitted		
TRANSOMED OVERPANEL		
Yes - Optional		
OVERPANEL HEIGHT		
Maximum 500mm		



As can be seen in the section above we are able to offer our raised & fieldded double panel doors as pocket doors or single acting double doors.

OVERALL DIMENSIONS - GLAZED FIRE DOORS

Here you will find dimensions for our Pyroclear glass door specification. We are able to offer decorative overlay panels to our fire doors for a Georgian bar effect. We cannot offer any obscure glass or decorative glass effect.

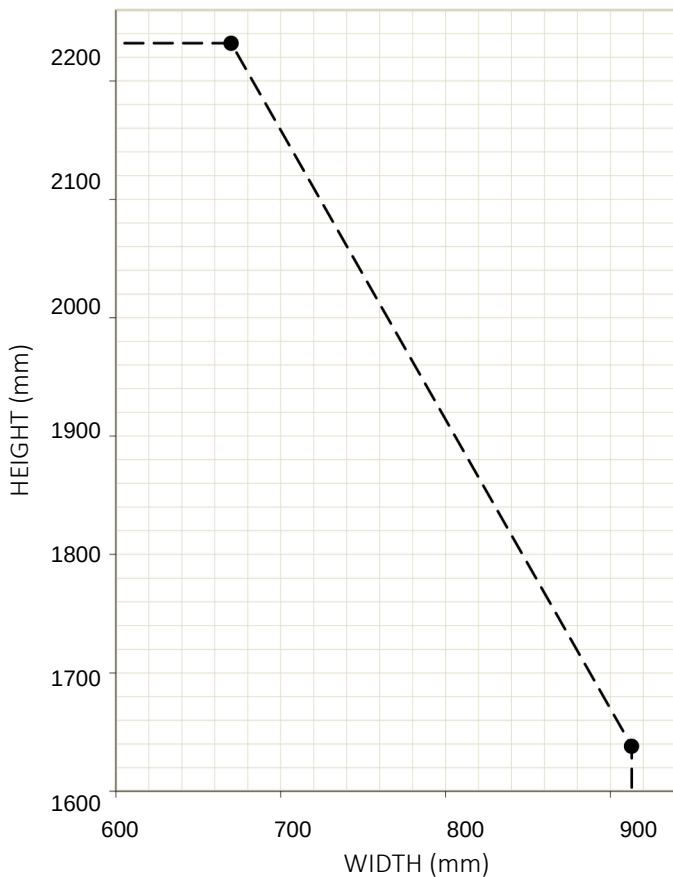
SPECIFICATION/QUANTITY/DIMENSIONS	DIAGRAM
GLAZING SEAL	
20x5mm (compressed to 3mm) Ceramic Fibre Tape	
GLAZING BEAD	
-25mm high bead including a 5x5mm bolection return -10mm high setting blocks to provide 10mm glass edge cover -20 degree splayed top -Hardwood (minimum density 640kg/m ³)	
GLAZING BEAD FIXINGS	
-50mm x Ø4mm steel wood screws -Must be located at maximum 70mm from each corner and on 150mm centres thereafter -Must be fixed through the glazing bead at an angle of -35-45 degrees relative with the shank of the pin/screw as close as possible to the perimeter of the glass	

APPROVED GLASS TYPES

THICKNESS	MANUFACTURER	TYPE	INTEGRITY	INSULATION
6mm	Pilkington	Pyroclear	30 mins	NPD

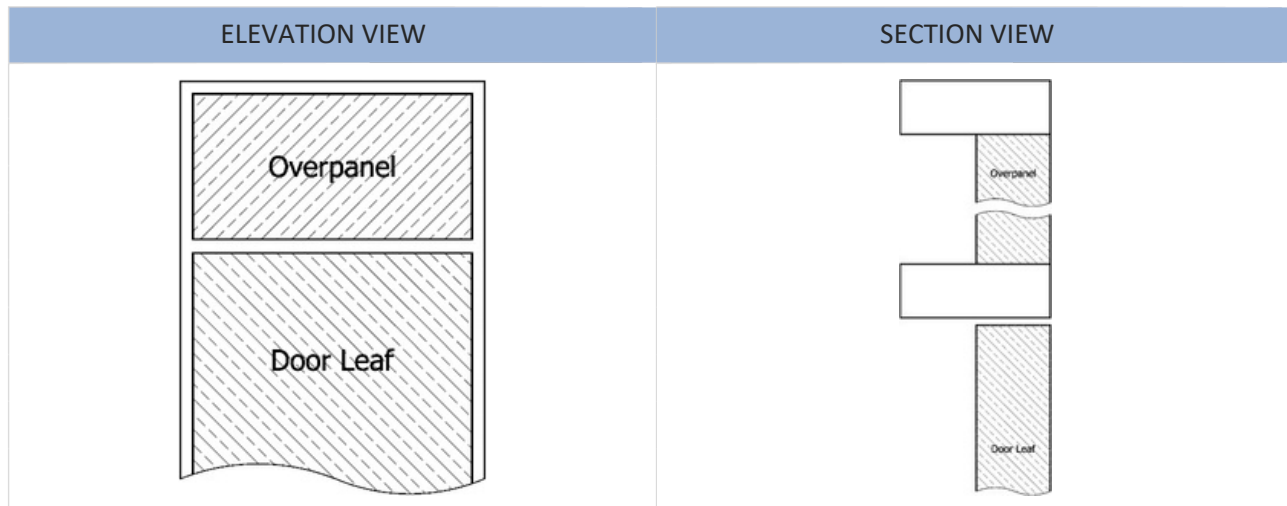
APPROVED GLAZED APERTURE ENVELOPE

HEIGHT	2232m	1638mm
WIDTH		913mm



OVERPANELS / FANLIGHTS

Our over panels are offered using the same construction method and quality as our hardwood panel doors. Please find detail below of sections and tolerances.



ELEMENT	SPECIFICATION/QUANTITY/DIMENSIONS
TRANSOM MATERIAL	-70mm wide x 32mm thick -Hardwood (Minimum Density 510kg/m3)
TRANSOM JOINT	Mortice and tenon
ADDITIONAL REQUIRMENTS/NOTES	None

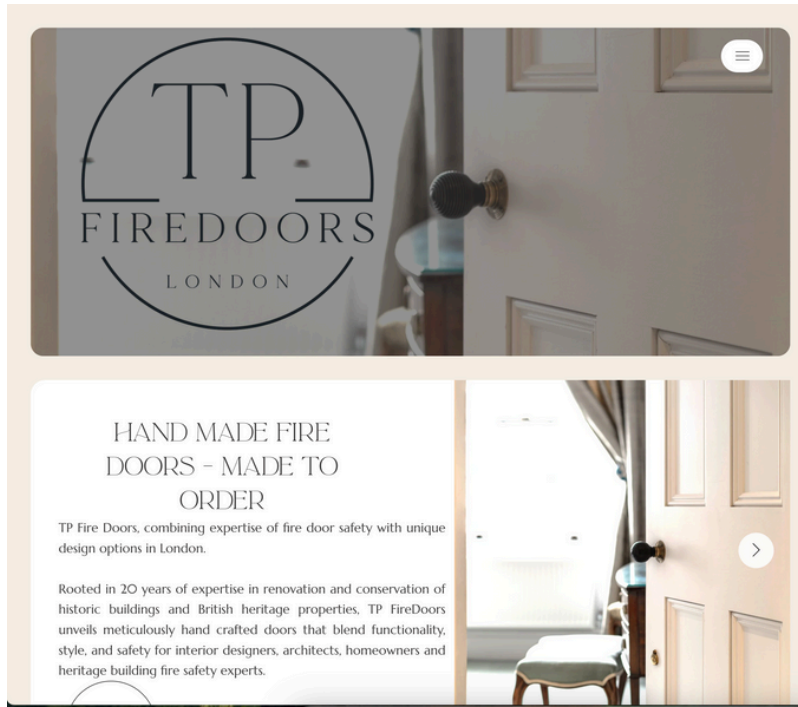
ELEMENT	SPECIFICATION/QUANTITY/DIMENSIONS	
FANLIGHT PERIMETER FRAMING	TRANSOM	Minimum 44mm thick x same depth a door frame using minimum 640kg/m3 hardwood timber
	VERTICAL EDGES & HEAD	As dictated by the test evidence for the glass tested as a glazed screen, or by the door frame specification outlined in Section 7.7, whichever is the greater
FANLIGHT HEIGHT	Maximum 600mm high	
FANLIGHT WIDTH	Overall door width	
GLASS TYPE	The choice of glass and glazing system must be as demonstrated by fire resistance test evidence when successfully tested as a glazed screen in accordance with BS476: Part 22: 1987 or EN1634-1, at the required pane dimensions	
ADDITIONAL REQUIREMENTS/NOTES	The transom is to be mortice and tenon jointed to the frame jambs	
SECTION VIEW	<p>A technical section view of a fanlight assembly. It shows a rectangular frame with a glass pane inside. A dimension line on the right indicates a 'Minimum 44mm' thickness for the frame. The drawing shows the frame's profile and how it would be joined to a door frame.</p>	

HARDWARE OPTIONS

ELEMENT	SPECIFICATION/QUANTITY/DIMENSIONS
HANDLES & HINGES	<p>We have a full range of heritage hardware and door furniture to complete our doors, fully certified.</p>
DOOR CLOSING DEVICES	<p>Every hinged fire door (both leaves in double doors), including flat entrance doors and doors between a dwelling and an integral garage, must be fitted with a self-closing device.</p> <p>Door closing devices must also meet all of the following requirements:</p> <ul style="list-style-type: none"> • Meet the requirements of BS EN 1154:1997 • Be adjusted so that they are capable of fully closing the door leaf, against any friction imposed by the latch, perimeter seals and/or any other items of hardware, from any position of opening. • Where the door closing device is motor driven, it must be capable of fulfilling the above requirements in the event of electrical power loss <p>Note <i>Our spec permits fire doors to cupboards and fire doors within flats or dwellings to be installed without self-closing devices</i></p>
HARDWARE MARGINS	<p>Unless specified otherwise herein, there must be:</p> <ul style="list-style-type: none"> ☑- A minimum 100mm margin between each hardware item - The above dimensions must be measured edge-to-edge not centre-to-centre
FIRE SEALS & STRIPS	<p>Only approved fire seals are to be used on our fire doors, ideally supplied with frames & correctly embedded by TP Firedoors or certified installers.</p> <p>Drop down door seals are available and must ideally be embedded within the door construction and not mounted.</p>

VISIT OUR WEBSITE

www.tpfiredoors.co.uk



FOLLOW US ON INSTAGRAM

[/TPfiredoors](https://www.instagram.com/TPfiredoors)



63 posts

1,458 followers

3,522 following

TP FireDoors | Bespoke Fire Door Specialists

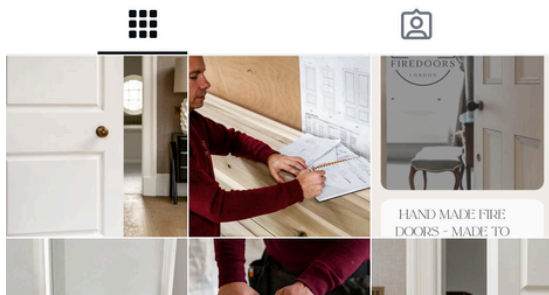
[Building materials](#)

- 🔥 Handcrafted, Made-to-Measure Fire Doors
- 🔪 Period or Contemporary Designs, Rated & Approved
- 📞 Get in Touch for Advice or a No Obligation Quote
- [Whyteleafe, Surrey, London, United Kingdom](#)
- tpfiredoors.co.uk



Followed by [tpconstructionltd](#)

- Following
- Message
- Contact
- +8
- Contact
- Locations
- Services
- About
- FAQs



0208 137 7025



info@tpfiredoors.co.uk